

SEQ ID NO:1

1 GGCAATGGGT CGAAATTCAT AGAATTTGT GTGAGGTGCG TAGCGGCTCT  
51 GACAGGGGTG CTGCGCGGAG ATCTCTGGTC TCAGGGTAGGG CGACAATGGA  
101 GAGGTGTTAG TTGCCCCCTG TATCGCTCTC TGCGTGGCGC ATTGGGTCAT  
151 CCTGCCCGGA CATATGATAT TCCGCTAGAG GATTACTGAT AGTTTCTGCC  
201 TGTCGGGCTT GTCGGGCTTG TCAGGGCTTGT CGGGCTTGTGTC GGGCCTGTCC  
251 CTCTTGTCCC GCCTGTCCCTC ACTTTTCAC AATCAAAAAA TGGGCGAAGC  
301 CCTTCTGTT CTATAGTTCT TATAGTTCAT ACGAAAATTA CACATAATTA  
351 TCAATAGCTT ATTGCGTTAA AAGGGAGTAA TTGGGCCGCA AAAGGGAGTA  
401 ATTGGGCCGC AAAAGGGAGT AATTGGGCCG CAAAAGGGAG TAATTGGGCC  
451 GATATCGGTT GTTACATGG GGAGGAATCC CCTTAATCAT TTCTCCCCAT  
501 GGGAAAGACA ACACAAGTGG CCGCAGACCG GGCCTTCGAC CAGACAAAAA  
551 CTGTGCTCCC TGCGAGGTG GCGAGAGGGG TCTATATGCG CAATCCGCC  
601 CGCCTGCAGG CGCTCAAGCT CATGCATTAA ATGATAGCCA CTGCGGGCGG  
651 CCGCATGGCT GATGATGTGC GCCATGAAAT GCGGCTGGCC GACATTGCG  
701 CAATCGACGG CATGAAAAAC CATGACCGTG AGAGCCTGAC CCCGCTGTT  
751 GAGGAGCTAG CCGCTGCGGT GTTGACCCAT GATGACCCGT CAAAGATGAT  
801 CGTGACAGTC GGCAGCTTGG TCGATGAGGC GCGAATAGAC TACGCCAGG  
851 AGGCAAGCGG CGAACTCCTA GTGACGTGGA CCTTCCGGAG TACATTCCGT  
901 CGTATGGCGG CGGAGTCGAA CCACTGGGCC ATTCTCGACC GTCAAACGGT  
951 ATTCCATCTC GGTAGTAAGT ATTCCGTGCT GCTGTTCCAG CACGTCTCTA  
1001 GTCTCGCCAA TCTTGATCGG ATGAGCGCGA AAACCTTTAC GGTCCCCGAG  
1051 TTGCGGGCGC TCCTTGGAGT GCCCGAGGGG AAGATGGTTC GTTGGAACGA  
1101 CGTTAACAGA TTTGCTCTCA AACCTGCCT GGATGAGATC AACCATTAT  
1151 CGCGTCTGAC ATTGACGGCA AAGCCGACCA AGATTGGCCG TAGCGTGGCA  
1201 AGTGTGACTA TAGGCTGGGA AGTGAAGAC GACCCAACCG TCGCCAGGCG  
1251 CGAGCTGGCG GGTTCCAAGG TCGGTCGAGA TGCTCGTCG AGAGGGCGAG  
1301 CGGAAACGAT AGCCCCCTCC TTCCCGAGAG CGGGCGGGAT CACCTACAGT  
1351 CCACGTTGGC TGGAGCTGAA ACGCTCTGCT GGCAGCAACA AGGACAACGA  
1401 TCTGATCGCC TCAGACTTCC GGCCTTCTG TCAGGGAGAGA GGCCTGCGTC  
1451 TGGACGCTGC AAACATCGAA AAACGTTTT TAGATTCTG CGCAAAGGTA  
1501 GGGAAAGGTTT GAGTTTGAG GTATTCACC GCAATAGTGT TAAATGACTT  
1551 TCGTAAACG ATGTGCAATA TAGCGGTAAG ACTATGAAAT ACACGGCTGG  
1601 ACAGGCTGCA AAACCAACGG GTGTGGCGAC CGCAACCATC ACTCGGGCGC  
1651 TAAAAAGCGG TAAAAATTCC GGTAAAAAG ATGAATCTGG GGCATGGGTT  
1701 ATAGATCCTG CAGAATTGCA CAGAGTGTGTT CCTCCCATTT CAAAGAAATA  
1751 CACCGAAACA CCTAACACGC AAGTATATGG TAAGCGTGAT GAAACACATG  
1801 AAATGACCTC AGAAATCAGC GCATTAGAGC GTGAAGTTCG GACTTTACGC  
1851 GATGCTTAT CTGATGCCAG GGAGGATCGC GACAAATGGC GCGACATGGC  
1901 CGAGCGTCTT TCAATTCAT CACCGATGAG AGAGGAAGAC CGCCCCCCTC  
1951 AAAAACAAAG ATGGTGGAAAG ATATTCTGAT CCTGGGCTTC AGGAGCCTTG

**FIGURE 1A**

2001 CCTTTACTGG CGGAAAAACG CGATATTGAG GCACAGGCC GCACTTAGA  
2051 GGCAGGAAGCC TATAACGAGT ACCAAAACAC TAGAAGCCAG ATTGAGGAAA  
2101 ATAGGGAACG TG

**FIGURE 1B**

SEQ ID NO:2

1 TGGTGAACGC ATTGGCTTGA TGTTTGAGAA AAGCGAAAAG ACCCGGCCAC  
51 AGTTGTGGGT AGAGCGTCGA TATGTGCAAG ACCTGATGCT TGCTGACATC  
101 GAACTCCGTG TCTACCTCGC ATCGTCGCTG TATCAGCCTG CTGCGGATGG  
151 CGGAAAGCCC GCCTATGGTC GTCACGCAGC CCTTAAGGCG ATGCGCGACT  
201 TGGCCCATGC CGATCTGGTG CGTTTCACCA TCGGCCGGAT TACGCAACTG  
251 GAGATGATCC TAGAGCGGTT AACCGAGACA TCTGGTTAAC GCCATAAAGG  
301 CTGCGGCATG AAAATAGGCG GACAATCTGC GCTTGGCCGC CCCCCTTC  
351 AGCCGTGCTT GCTCTCTGCC TGCACTGGCAC GACGCAGGAT CGCGTTCATA  
401 CGGGTCTGAT ATCCAGACCC GCCCCCCTTG AGCCATGCCA GCACATCGGC  
451 ATCAAGCCGC GCGGTGATCT GCTGCTTGAT CGGGCGATAG AAGCGCCAC  
501 GCTCGGCATC TGCCCATGG GCTTCGGTCA GCTCGGGAAC ATCGTTGGTG  
551 TCGATCTGCT CGGGCGGCAG AGCGTCCAGC CGCGCCAATT TCTTGCGGCG  
601 CTCCTCGGTA AGAGCGGGCA GCGTATCGAA GGTGTATTCA ACCATTGGCA  
651 TATCTCTTCC TTTCCTGCGG TGTAGCGCG CGAGCCGAAA TGATGCGGAT  
701 CGTCTCGACC GGATCGGGGC CAGCCTCGAT GATCAGGTGG GCAACCAGAA  
751 GGACGGCAGC GCCATAGATC TGCCCAACGG TTTGCCAGCG GTATTCCCCG  
801 CCCTCGATCC TATCCTGAAC CGTCAGGTGC AACGGATCGG CGAACACATG  
851 CACAGCATCC TCGAACCGGA TGCCATGCTT CTTTTCGTTC GTTTCCGCCT  
901 TGGCGGGATC CCAGATAAAC CGCATCTTCA TGGCAGAAATT ATAACACAC  
951 ATTTGTAGTT ATTCAATGGC AAGTCGCAGG TTCAAATCAC GCCCCCAAAC  
1001 CGCAACTGTA TTCGTTCTAC TCACCGCGC TTTTGAATAG AAGCTTGCAT  
1051 GATAACACCC GCCCGCTCCT CAACAAAATA AGGCAAATCC GCCCGCTGG  
1101 CGCAATCTGC GCTTTGTCGA TGCAAGGTCT TGTGGTTCA TACTGCAAGA  
1151 GCATGCAAGG AATTGCCCG GATGAGCACC ACGACGACAC CCACCAAGCC  
1201 GGCCTGGAAC AAGGGCCCGG TTGTCCGGAA AAAGCCGCCG CTGACACCTG  
1251 ACCAGATTGC CCTGATCCGT CTCATCCTGC GCCAGGAACG GGCGTGGCGG  
1301 GATCTGGCTC TGTTCAACGT GGCGATCGAC ACCAGTTGC GCGGCTCGGA  
1351 CCTCGTGCCTCGC CTGCGCGTCT CGGATGTGGC GACCCAGCT GGTCTCGTG  
1401 AGATCGTCGA GATCCGCCAG AAGAAGACCG AGGCCCCGCAA TGTCCGCC  
1451 GTACAGGGCCC GCCTGTCGGA GGGGACACGC GAGAGCCTGC GGGTCTATCT  
1501 CGCGGCCTCT GACAAGCCGC TGCACAGCTG GCTGTTCACCC GGACAGGGCA  
1551 TCCGCTGGTC CCACACCCAC CTTAGCGAGA GCCAGCTGTG GCGCCTGTTC  
1601 AAGTCCTGGC TCGAGAAGGC GCGGCTCGAT CCCAGCCTCT ACGGGCTGCA  
1651 CTCGCTGCCTCGC CGAACCTTCC CCAGCCACAT CTACCGCGAG ACCGGCAATC  
1701 TGCGCGCCGC ACAGCTGCTG CTGGGCCATG CCAGCATCGA GAGCACCAAG  
1751 GAGTACATCG GCACCGAGCA AGCCGAGGCC CTCGATATCG CACGGAGGTA  
1801 TCACCTCTAA CCCATGGAGA CCTATCTCGA GAAGCGCATC CCCGCCAAGA  
1851 ACACAGCACG GTTCTACCGC ATGGCGGTCC TGCCGAACCT GTTCGGGGAA  
1901 TGGACGCTGT ATCGAGAATG GGGCCGCATT GGCATCAGCG GCCGCATCCG  
1951 GCTCGATTGG TTTGAGAGTG AACAGATGC CATCGCTGCG ATGCTCGCCA

**FIGURE 2A**

2001 TCGAGACCGC CAAGCGTCAG CGCGGGTATT GGCTCGAGCC CATCCAGATT  
2051 GACATGTTCC CAGGGGCATA ACAGGCCATC AATGTAAGAG TGCAAGCGGA  
2101 GCAAGCAAAA GCCATTTCAC AGTGAGGTGG CAGATGTTCC TGTTTCACAG  
2151 TGAAAGCGCT GATGCTGTT CCACGCCACA GACTGATACG ACCAAAGCAA  
2201 CGGGGTCTGC CGCCACAGAC CGGTTCGCCG GCCACCCGCA GAAACGCAGG  
2251 TAAAATGGCG ATTCCGCAA AAAAACCGTG CAAATGATGG CAAATCACCA  
2301 TCCAGTTCA TCCTGAAACC CGTCGCTCAA CATGAACGAG CAGGCCATCA  
2351 TCCAAGCCCC AGAAACGCGG TGCGGCGACT ACAGATGAGC GATGTTCTGG  
2401 CTCATAGGCT GCAAGGCCCT GCAACAGTGA TTTCACCGTG AGATTGCAGG  
2451 GTCTTTGGC TCTCCCGCAA GAGCCACCTC AGGGTGAGCG AGCTAGCCGT  
2501 CTAGGTTCAC AGTGAAATCG CTGAGGAGCG TTGCGGGGCT TATGGTTTGG  
2551 CTGGTCACGT TGCCCATCGG AATGGAGCAT ACGATGGCTT CTACGCAGTC  
2601 GAATCCTGAG GCTTCACGTG GGAAAAAATAC GCTCCAAAAA AGCCCTGACC  
2651 AAATCTTGA AAAATTGCTT GAAAAGTTG CTTCTAAAAA ACTGGGAACG  
2701 AGATATGCAC GAGATCCCTT ACGAGTGCTG TAGGAGTAAT GCAGTGGACCA  
2751 AAAACGCCAT TTTTGCCCC AGTAGGAGTA ATGGAGTGGT TATTGGGG  
2801 GAGATTTGC TTCAGTAGGA GTAACCGCGT GTTAAATTT GCTTGATTGG  
2851 CGGTTCAAAT CGACCACCGA GCTGCCGTTG GTCTGATTG ATCTGCCCG  
2901 CAATTGGGCA CTTGCAGGCC ATCCCCCTGA ACTTCTGGCG ATGACCATT  
2951 CGAAGGCAAT GGGTCGAAAT TCATAGAATT TTGTGTGAGG TGCGTAGCGG  
3001 CTCTGACAGG GGTGCTGCCG GGAGATCTCT GGTCTCAGGT AGGGCGACAA  
3051 TGGAGAGGTG TTAGTTGCC CCTGTATCGC TCTCTCGTG GCGCATTGGG  
3101 TCATCCTGCC CGGACATATG ATATTCCGCT AGAGGATTAC TGATAGTTTC  
3151 TGCGCTGCGG GCTTGTGCGG CTTGTCGGG TTGTCGGGCT TGTGGGGCCT  
3201 GTCCCTCTTG TCCCGCCTGT CCTCACTTT TCACAATCAA AAAATGGCG  
3251 AAGCCCTTCT TGTTCTATAG TTCTTATAGT TCATACGAAA ATTACACATA  
3301 ATTATCAATA GCTTATTCGC TTAAAAGGA GTAATTGGGCGC AAAAGGG  
3351 AGTAATTGGG CCGCAAAAGG GAGTAATTGG GCCGCAAAAG GGAGTAATTG  
3401 GGCGATATC GGTTGTTTAC ATGGGGAGGA ATCCCCCTAA TCATTTCTCC  
3451 CCATGGGAAA GACAACACAA GTGGCCGCAG ACCGGGCCTT CGACCAGACAA  
3501 AAAACTGTGC TCCCTGCCGA GGTGGCGAGA GGGGTCTATA TGCGCAATCC  
3551 GCCCCGCCTG CAGGCCTCA AGCTCATGCA TTTAATGATA GCCACTGCGG  
3601 GCGGCCGCAT GGCTGATGAT GTGCGCCATG AAATGCGGCT GGCGACATT  
3651 CGCGCAATCG ACGGCATGAA AAACCATGAC CGTGAGAGCC TGACCCGCT  
3701 GTTCGAGGAG CTAGCCGCTG CGGTGTTGAC CCATGATGAC CCTGCAAAGA  
3751 TGATCGTGAC AGTCGGCGGC TTGGTCGATG AGGCGCGAAT AGACTACCGC  
3801 CAGGAGGCAA GCGGCGAACT CCTAGTGACG TGGACCTTCC GGAGTACATT  
3851 CCGTCGTATG GCGCGGGAGT CGAACCACTG GGCCATTCTC GACCGTCAAA  
3901 CGGTATTCCA TCTCGGTAGT AAGTATTCCG TGCTGCTGTT CCAGCACGTC  
3951 TCTAGTCTCG CCAATCTTGA TCGGATGAGC GCGAAAACCT TTACGGTCCC  
4001 CGAGTTGCCGG GCGCTCCCTTG GAGTGCCCGA GGGAAAGATG GTTCGTTGGA  
4051 ACGACGTAA CAGATTGCT CTCAAACCTG CACTGGATGA GATCAACCAT

**FIGURE 2B**

4101 TTATCGCGTC TGACATTGAC GGCAAAGCCG ACCAAGATTG GCCGTAGCGT  
4151 GGCAAGTGTG ACTATAGGCT GGGAAAGTCAA AGACGACCCA ACCGTCGCCA  
4201 GGCGCGAGCT GGCGGGTTCC AAGGTCGGTC GAGATGCTCG TCGCAGAGGG  
4251 GCAGCGGAAA CGATAGCCCC CTCCTCCCA GAAGCGGGCG GGATCACCTA  
4301 CAGTCCACGT TGGCTGGAGC TGAAACGCTC TGCTGGCAGC AACAGGACA  
4351 ACGATCTGAT CGCCTCAGAC TTCCGGCGTT TCTGTCGGGA GAGAGGCGTG  
4401 CGTCTGGACG CTGCAAACAT CGAAAAACTG TTTTAGATT TCTGCGAAA  
4451 GGTAGGGAAG GTTTGAGTT TGAGGTATTT CACCGAATA GTGTTAAATG  
4501 ACTTCGTGA AACGATGTGC AATATAGCGG TAAGACTATG AAATACACGG  
4551 CTGGACAGGC TGCAAAAGCA ACGGGTGTGG CGACCGAAC CATCACTCGG  
4601 GCGCTAAAAA GCGGTAAAAT TTCCGGTAAA AAAGATGAAT CTGGGGCATG  
4651 GGTTATAGAT CCTGCAGAAT TGCACAGAGT GTTCTCTCCC ATTTCAAAGA  
4701 AATACACCGA AACACCTAAC ACGCAAGTAT ATGGTAAGCG TGATGAAACA  
4751 CATGAAATGA CCTCAGAAAT CAGCGCATTA GAGCGTGAAG TTCGGACTTT  
4801 ACGCGATGCT TTATCTGATG CCAGGGAGGA TCGCGACAAA TGGCGCGACA  
4851 TGGCCGAGCG TCTTCAATT TCATCACCAGA TGAGAGAGGA AGACCGCCCC  
4901 CCTCAAAAC AAAGATGGTG GAAGATATTC TGATCCTGGG CTTCAGGAGC  
4951 CTTGCCTTTA AAACCTGAAT CAGCATTCTA GCGATGCTGA TAAGAAGTAA  
5001 ATATAGCCAC AATAGAGCGG CCATTTCCA TTCACATACA GCTCATCATG  
5051 TGATCAATAT CAAGTATTGA TATTCACTAA TGGAGAAGAA TTTACATGTA  
5101 TCACAGGATC ATCACAGCAT TTGTTTTGT ATTTCTAAGT GCTAACATAA  
5151 CTATCGCTGG CCCTAAAGAA GATTGACTA TTGCAGTATC TCACCTTGGG  
5201 TTTCAAGACCG ATAATTACAG CTTGTCGAA GCCGGTTTT TTGCCAGAGA  
5251 GAGACACGTT TTTGATGGTG TAATAAACTG CTACGTATCT CATGATGGTA  
5301 ACATACACAG CATCATCCGG GGCAACACAC CTCTTATGGA AGATGGATAT  
5351 TATGGCCCAG AAGTACTGGC GGAAAACGC GATATTGAGG CACAGGCCG  
5401 CACTTTAGAG GCGGAAGCCT ATAACGAGTA CCAAAACACT AGAAGCCAGA  
5451 TTGAGGAAAA TAGGGAACGT GCCCTCGAGG CGCTGCGGCT AGCTAGCAGT  
5501 CCTTTTATTA ATAATGGTAG TACAGAAGAA CAGACAATTAA TACAGGCCG  
5551 AACTCCGACG GCAGATCCTG TTGTATCTGT ACCCGTGGCA TCTCCAGAAT  
5601 CTAAACAAAG TCGAGAGCCG GAACCGGCTG CTGTTCCAGC ATCAGTTCT  
5651 GTTAGAGAGA TGTGGAGCAC GGCTGACAGA TTGACCACCC GTACATGCC  
5701 ATCGACTCGA TGCGGAGCAA CTAGCTGGT AACAGATGGA ACTAAAGTAA  
5751 CAGTTTATGA AGAAAAAGAC GGTTGGTCTA GAATCGGAGA GCTACAGTCT  
5801 GCAATGTGCA TAAATGGAAT AAGTGGCGCG GTCGATTCAAG GTGAATCTTC  
5851 CTGCAATCCC ACCAATGGTA TCGTTAATGG GCAATTGCA CCCTGGTTT  
5901 TCTCGGATTA TCTTACGATC CAAGAGCCAG AAGCTCCCAT ATCCACCCAA  
5951 GAGTGTGAA ATATGGGCT CGAGAACTCA GATAATTACC GTATCTATTG  
6001 TAGTCAGTTC TGCAGTGCAG CTCTCGAAAT GATCAACGAT AGAGTATGCA  
6051 ATACATCTGA TTTCAAGAGAT TTAGCTTGGT TATCTCTCC TGAAAGAGGA  
6101 CAGGATTACT ACTTCACCTA TTGTGGCGGA TTTCAACCTC AAAACAGATG  
6151 GTATTGAAT GTCAGGACAG GTGAAATCAC CCGCTGATAT TCCACCAAGG

**FIGURE 2C**

6201 TGAGTCCTGT AGATCAGACT CTCAGGAGT AAACGTTTA ATCCATCTCC  
6251 ATGAGATCAA CATAGATAGG TGTTCACTCC CGGCATCTGG TGGATCGGGT  
6301 TTAGGATGAA TCTGTCCGGC TCTTGACATA CCCCCGCGTG AAACCCGTGTC  
6351 TTTACAAGAG AAAGTCAGCG GCCTCGAAGC CGCTCTAGCC GATGCCCGGG  
6401 CCCAACGGGA TGAGTAGAGC GAACAAGCAA AGCGCCTAGC TATGGCTCTG  
6451 CCCGTCCCGG AAGCTGCAGC CGCAGAATCC GGAAAAAAGA AAAAATACAT  
6501 GGCAGCGATT ATTTGGATAG GACACAATCC TTTTCTATTAA ATATACAACA  
6551 AGATATGGC ATGCGCCGCG CGTGATCCTC ATTCGATACA ATCCAAATCC  
6601 TGAAAGCTGA CTATGCCCTA CGCATCGCG ACCATCGGTG CCGTCATTGA  
6651 TGACGTGAAC CGCACCTACC TGCTGCCCGC AATCCAACGC CCCTATGTCT  
6701 GGTCTGCCGG ACAGGTCGTT GCGCTGTTTCG ACTCTCTGTT GAAGGGCTAT  
6751 CCGATCAGCA GCTTCATGTT CTGGCGGTG GACGAGGAGA CCAAGGCAGA  
6801 GCTGCGATGC TACAAATTCA TCGAGAATTA TCGGCCCCGAA ATGATGAACG  
6851 AGCCGACTAG TCGGGACGGG CGGCAGGTCG TCCTTGTGCT CGACGGACAG  
6901 CAGCGGATGA CCTCACTGTT GATCGGCTTG CGCGGCACAT TCTCTGAGAA  
6951 AGCCAAACAC GCGCGCAACA GCAACCGGGC GGCGTGGTCG GCAAAACGC  
7001 TATATCTAGA CCTGCTTCGG GACCCGGATC CGAAGAACTC CGATGAAGAC  
7051 GAAGGCAATG AGTTCGGAAT CACTTACGGT CTCTCTTTCC ATGAACGCCG  
7101 CCCGACCAGC AGCCACAGGC ACCACTGGTT CAAGGTGGGA TCGATACTGG  
7151 ATTATCCTAC AGACGAGCAG CTGGAGGGGT TGATTGCCAA GGTGAAGACC  
7201 GAATTTCATC ATGGTGTATC GGATTGGAA AAGGGGCTGG CGGAAGACAC  
7251 CCTGCGCCGG TTGCACCGCG TCATCTGGAA AGACGAGGGC ATCAACTTT  
7301 TCACTGAACG CGACCAGTCG GTTGATCGGG TGCTGGACAT CTTCGTGC  
7351 GCCAATGACG GGGGCACGAA ACTGTCGAAG GCAGACCTGC TGATGTCGAT  
7401 GATCACGTCA AAATGGTCCA GCGGATCGGC CGCGGAGGAA ATCGGCGGCT  
7451 TTGTCGAGCA CATAAACAAA GGTCTCGGTG CGCCGAACAA GATCAGTCG  
7501 GATCTGGTCC TGAAGGCCTG TCTGGTCGTC TGCGATTATG ATGTCGTCTA  
7551 TAATGTCAGG AACTTTACAA GCGAGGTCA CGGCAGGATC GAAAGCAACT  
7601 GGGATCGTAT CAAGCAGGCA TTGAGAACCA CGTTCCGCCT GCTGAACAGG  
7651 CATGGCATCA CGGGGATAA CCTCGGCTCT TTGAACCGGG TGCTGCCTCT  
7701 GGTCTATTAT ATCTACAACA CGCCGGATTT CGATTCCGA GGATCGAGCG  
7751 AGTTCGAGCG GGTCAATGCC AGCTCCATGC ACCTCTGGTT GGTGAACAGC  
7801 CTGCTGGTCA GCGCCTTCGT TGGCCATTG GATCAGACCA TCACCACCGC  
7851 GCGCAATACG ATCCCGCATC ACCTGCGTGT AGGCCGCGAT TTCCCAGTAC  
7901 GAAAGCTGTT CGATGCCATG GCGAAGGGGG GACGGCTATC TCAGGTGGAT  
7951 GAGCGTACCA TCGAAGAATT GCTGGAAATG CAATATGGCA AGCCCCGGAC  
8001 CTTCGTTGCG CTGTCGCTGC TCTATCAGGG CATCGACTGG AACGGATCGA  
8051 CCTGGCATGT CGATCATATC ATTCCCCAAG CGGACGCTCA GAAAATGTG  
8101 CTGCGCGGGC GCAATCTGCC CGAGCATCGC ATTCAAGAAA TCTTGGCGC  
8151 GGTTAACAGT TTGGGCAACC TGCAACTTT GCGCGGAGAT GAGAATATCG  
8201 AGAAAGGTGC GCTGCCATTGAGGTCATGGA TTACCGGACG GCGCGTTGAT  
8251 TTCTACGAGC AGCATATGAT CCCGGCCAC CTTGAACGTGCGATGTACT

**FIGURE 2D**

8301 GCATCTGCC C GAGTTCGTGC GCGAACGGGA AAAGGTGATC CGGCGCCGTT  
8351 TGATGGAGTT GGTCGGAGCA CGACGCGCAT GAATGAGGTC GTCTTGTAC  
8401 GCGAAGAGCT GCGTCAATCT TGTCTCGACC TGCTTGAAAA ACGCGCTGTC  
8451 GAACACCCCTG CGGGACACCA AGGCAAGCTC GCCGCCGCT ATGTTGTGCA  
8501 CCGCGACGA

**FIGURE 2E**

SEQ ID NO:3

1 TCGCGCGTTT CGGTGATGAC GGTGAAAACC TCTGACACAT GCAGCTCCCG  
51 GAGACGGTCA CAGCTTGTCT GTAAGCGGAT GCCGGGAGCA GACAAGCCCG  
101 TCAGGGCGCG TCAGCGGGTG TTGGCGGGTG TCGGGGCTGG CTTAACTATG  
151 CGGCATCAGA GCAGATTGTA CTGAGAGTGC ACCATATGCG GTGTGAAATA  
201 CCGCACAGAT GCGTAAGGAG AAAATACCGC ATCAGGCCGC ATTGCCATT  
251 CAGGCTGCGC AACTGTTGGG AAGGGCGATC GGTGCGGGCC TCTTCGCTAT  
301 TACGCCAGCT GGCAGAAAGGG GGATGTGCTG CAAGGCGATT AAGTTGGGTA  
351 ACGCCAGGGT TTTCCCAGTC ACGACGTTGT AAAACGACGG CCAGTGAATT  
401 CGGCAATGGG TCGAAATTCA TAGAATTTG TGTGAGGTGC GTAGCGGCTC  
451 TGACAGGGGT GCTGCGCGGA GATCTCTGGT CTCAGGTAGG GCGACAATGG  
501 AGAGGGTGT A GTTGCCCCCT GTATCGCTCT CTGCGTGGCG CATTGGGTCA  
551 TCCTGCCCGG ACATATGATA TTCCGCTAGA GGATTACTGA TAGTTTCTGC  
601 CTGTCGGGCT TGTGCGGCTT GTCGGGCTTG TCGGGCTTGT CGGGCCTGTC  
651 CCTCTTGTCC CGCCTGTCCT CACTTTTCA CAATCAAAAA ATGGCGAAG  
701 CCCTTCTTGT TCTATAGTTTC TTATAGTTCA TACGAAAATT ACACATAATT  
751 ATCAATAGCT TATTGCGTTA AAAGGGAGTA ATTGGGCCG AAAAGGGAGT  
801 AATTGGGCCG CAAAAGGGAG TAATTGGGCC GCAAAGGGGA GTAATTGGGC  
851 CGATATCGGT TGTGCGGCTT GGGAGGAATC CCCTTAATCA TTTCTCCCCA  
901 TGGGAAAGAC AACACAAGTG GCCGCAGACC GGGCCTTCGA CCAGACAAAA  
951 ACTGTGCTCC CTGCCGAGGT GGCAGAGGG GTCTATATGC GCAATCCGCC  
1001 CCGCCTGCAG GCGCTCAAGC TCATGCATT AATGATAGCC ACTGCGGGCG  
1051 GCGCCTGCAG TGATGATGTC CGCCATGAAA TGCGGCTGGC CGACATTGCG  
1101 GCAATCGACG GCATGAAAAA CCATGACCGT GAGAGCCTGA CCCCCTGTT  
1151 CGAGGAGCTA GCCGCTGCAG TGTTGACCCA TGATGACCCCT GCAAAGATGA  
1201 TCGTGACAGT CGGCGGCTTG GTCGATGAGG CGCGAATAGA CTACGCCAG  
1251 GAGGCAAGCG GCGAACTCCT AGTGACGTGG ACCTTCCGGA GTACATTCCG  
1301 TCGTATGGCG CGGGAGTCGA ACCACTGGGC CATTCTCGAC CGTCAAACGG  
1351 TATTCCATCT CGGTAGTAAG TATTCCGTGC TGCTGTTCCA GCACGTCTCT  
1401 AGTCTCGCCA ATCTTGATCG GATGAGCGCG AAAACCTTTA CGGTCCCCGA  
1451 GTTGCAGGGCG CTCCCTGGAG TGCCCGAGGG AAAGATGGTT CGTTGGAACG  
1501 ACGTTAACAG ATTTGCTCTC AAACCTGCAC TGGATGAGAT CAACCATTAA  
1551 TCGCGTCTGA CATTGACGGC AAAGCCGACC AAGATTGGCC GTAGCGTGGC  
1601 AAGTGTGACT ATAGGCTGGG AAGTGAAGA CGACCCAACC GTCGCCAGGC  
1651 GCGAGCTGGC GGGTTCCAAG GTCGGTCGAG ATGCTCGTCG CAGAGGGCA  
1701 GCGGAAACGA TAGCCCCCTC CTTCCCAGAA GCGGGCGGGGA TCACCTACAG  
1751 TCCACGTTGG CTGGAGCTGA AACGCTCTGC TGCGCAGCAAC AAGGACAACG  
1801 ATCTGATCGC CTCAGACTTC CGGCCTTCT GTCGGGAGAG AGGCGTGCCT  
1851 CTGGACGCTG CAAACATCGA AAAACTGTTT TTAGATTCT GCGCAAAGGT  
1901 AGGGAAAGGTT TGAGTTTGA GGTATTTCAC CGCAATAGTG TTAAATGACT  
1951 TTCGTGAAAC GATGTGCAAT ATAGCGTAA GACTATGAAA TACACGGCTG

**FIGURE 3A**

0  
2  
4  
6  
8  
10  
12  
14  
16  
18  
20  
22  
24  
26  
28  
30  
32  
34  
36  
38  
40  
42  
44  
46  
48  
50  
52  
54  
56  
58  
60  
62  
64  
66  
68  
70  
72  
74  
76  
78  
80  
82  
84  
86  
88  
90  
92  
94  
96  
98  
100  
102  
104  
106  
108  
110  
112  
114  
116  
118  
120  
122  
124  
126  
128  
130  
132  
134  
136  
138  
140  
142  
144  
146  
148  
150  
152  
154  
156  
158  
160  
162  
164  
166  
168  
170  
172  
174  
176  
178  
180  
182  
184  
186  
188  
190  
192  
194  
196  
198  
200  
202  
204  
206  
208  
210  
212  
214  
216  
218  
220  
222  
224  
226  
228  
230  
232  
234  
236  
238  
240  
242  
244  
246  
248  
250  
252  
254  
256  
258  
260  
262  
264  
266  
268  
270  
272  
274  
276  
278  
280  
282  
284  
286  
288  
290  
292  
294  
296  
298  
300  
302  
304  
306  
308  
310  
312  
314  
316  
318  
320  
322  
324  
326  
328  
330  
332  
334  
336  
338  
340  
342  
344  
346  
348  
350  
352  
354  
356  
358  
360  
362  
364  
366  
368  
370  
372  
374  
376  
378  
380  
382  
384  
386  
388  
390  
392  
394  
396  
398  
400  
402  
404  
406  
408  
410  
412  
414  
416  
418  
420  
422  
424  
426  
428  
430  
432  
434  
436  
438  
440  
442  
444  
446  
448  
450  
452  
454  
456  
458  
460  
462  
464  
466  
468  
470  
472  
474  
476  
478  
480  
482  
484  
486  
488  
490  
492  
494  
496  
498  
500  
502  
504  
506  
508  
510  
512  
514  
516  
518  
520  
522  
524  
526  
528  
530  
532  
534  
536  
538  
540  
542  
544  
546  
548  
550  
552  
554  
556  
558  
560  
562  
564  
566  
568  
570  
572  
574  
576  
578  
580  
582  
584  
586  
588  
590  
592  
594  
596  
598  
600  
602  
604  
606  
608  
610  
612  
614  
616  
618  
620  
622  
624  
626  
628  
630  
632  
634  
636  
638  
640  
642  
644  
646  
648  
650  
652  
654  
656  
658  
660  
662  
664  
666  
668  
670  
672  
674  
676  
678  
680  
682  
684  
686  
688  
690  
692  
694  
696  
698  
700  
702  
704  
706  
708  
710  
712  
714  
716  
718  
720  
722  
724  
726  
728  
730  
732  
734  
736  
738  
740  
742  
744  
746  
748  
750  
752  
754  
756  
758  
760  
762  
764  
766  
768  
770  
772  
774  
776  
778  
780  
782  
784  
786  
788  
790  
792  
794  
796  
798  
800  
802  
804  
806  
808  
810  
812  
814  
816  
818  
820  
822  
824  
826  
828  
830  
832  
834  
836  
838  
840  
842  
844  
846  
848  
850  
852  
854  
856  
858  
860  
862  
864  
866  
868  
870  
872  
874  
876  
878  
880  
882  
884  
886  
888  
890  
892  
894  
896  
898  
900  
902  
904  
906  
908  
910  
912  
914  
916  
918  
920  
922  
924  
926  
928  
930  
932  
934  
936  
938  
940  
942  
944  
946  
948  
950  
952  
954  
956  
958  
960  
962  
964  
966  
968  
970  
972  
974  
976  
978  
980  
982  
984  
986  
988  
990  
992  
994  
996  
998  
1000

**FIGURE 3B**

4101 GTAACAGGAT TAGCAGAGCG AGGTATGTAG GCGGTGCTAC AGAGTTCTTG  
4151 AAGTGGTGGC CTAAC TACAGG CTACACTAGA AGGACAGTAT TTGGTATCTG  
4201 CGCTCTGCTG AAGCCAGTTA CCTTCGGAAA AAGAGTTGGT AGCTCTTGAT  
4251 CCGGAAACAA ACCACCCGCT GGTAGCGGTG GTTTTTTTGT TTGCAAGCAG  
4301 CAGATTACGC GCAGAAAAAA AGGATCTCAA GAAGATCCTT TGATCTTTC  
4351 TACGGGGTCT GACGCTCAGT GGAACGAAAA CTCACGTTAA GGGATTTGG  
4401 TCATGAGATT ATCAAAAAGG ATCTTCACCT AGATCCTTT GGGGGGGGGG  
4451 GGCGCTGAGG TCTGCCTCGT GAAGAAGGTG TTGCTGACTC ATACCAGGCC  
4501 TGAATCGCCC CATCATCCAG CCAGAAAGTG AGGGAGCCAC GGTTGATGAG  
4551 AGCTTTGTTG TAGGTGGACC AGTTGGTGTAT TTTGAACTT TGCTTGCCA  
4601 CGGAACGGTC TGCCTTGTCTG GGAAGATGCG TGATCTGATC CTTCAACTCA  
4651 GCAAAAGTTC GATTTATTCA ACAAAAGCCGC CGTCCCGTCA AGTCAGCGTA  
4701 ATGCTCTGCC AGTGTACAA CCAATTAAACC AATTCTGATT AGAAAAACTC  
4751 ATCGAGCATC AAATGAAACT GCAATTATT CATATCAGGA TTATCAATAC  
4801 CATATTTTG AAAAAGCCGT TTCTGTAATG AAGGAGAAAA CTCACCGAGG  
4851 CAGTTCCATA GGATGGCAAG ATCCTGGTAT CGGTCTGCGA TTCCGACTCG  
4901 TCCAACATCA ATACAACCTA TTAATTCCC CTCGTCAAAA ATAAGGTTAT  
4951 CAAGTGAGAA ATCACCATGA GTGACGACTG AATCCGGTGA GAATGGCAAA  
5001 AGCTTATGCA TTTCTTCCA GACTTGTCA ACAGGCCAGC CATTACGCTC  
5051 GTCATCAAAA TCACTCGCAT CAACCAAACC GTTATTCTATT CGTGATTGCG  
5101 CCTGAGCGAG ACGAAATACG CGATCGCTGT TAAAAGGACA ATTACAAACA  
5151 GGAATCGAAT GCAACCGGCG CAGGAACACT GCCAGCGCAT CAACAATATT  
5201 TTCACCTGAA TCAGGATATT CTTCTAATAC CTGGAATGCT GTTTCCCGG  
5251 GGATCGCAGT GGTGAGTAAC CATGCATCAT CAGGAGTACG GATAAAATGC  
5301 TTGATGGTCG GAAGAGGCAT AAATTCCGTC AGCCAGTTA GTCTGACCCT  
5351 CTCATCTGTA ACATCATTGG CAACGCTACC TTTGCCATGT TTCAGAAACA  
5401 ACTCTGGCGC ATCGGGCTTC CCATACAATC GATAGATTGT CGCACCTGAT  
5451 TGCCCGACAT TATCGCGAGC CCATTTATAC CCATATAAAAT CAGCATCCAT  
5501 GTTGGAAATT AATCGCGGCC TCGAGCAAGA CGTTCCCGT TGAATATGGC  
5551 TCATAACACC CCTTGTATTA CTGTTATGT AAGCAGACAG TTTTATTGTT  
5601 CATGATGATA TATTTTATC TTGTGCAATG TAACATCAGA GATTTTGAGA  
5651 CACAACGTGG CTTTCCCCCCC CCCCCCATTA TTGAAGCATT TATCAGGGTT  
5701 ATTGTCTCAT GAGCGGATAC ATATTTGAAT GTATTTAGAA AAATAAACAA  
5751 ATAGGGGTTTC CGGCCACATT TCCCCGAAAA GTGCCACCTG ACGTCTAAGA  
5801 AACCAATTATT ATCATGACAT TAACCTATAA AAATAGGCGT ATCACCGAGG  
5851 CCTTTCGTC

**FIGURE 3C**

SEQ ID NO: 4

1 GGCAATGGGT CGAAATTCAAT AGAATTTGT GTGAGGTGCG TAGCGGCTCT  
51 GACAGGGGTG CTGCGCGGAG ATCTCTGGTC TCAGGGTAGGG CGACAATGGA  
101 GAGGTGTTAG TTGCCCCCTG TATCGCTCTC TGCGTGGCGC ATTGGGTCA  
151 CCTGCCCGGA CATATGATAT TCCGCTAGAG GATTACTGAT AGTTTCTGCC  
201 TGTCGGGCTT GTCGGGCTTG TCAGGGCTTGT CGGGCTTGTC GGGCCTGTCC  
251 CTCTTGTCCC GCCTGTCCCTC ACTTTTCAC AATCAAAAAA TGGGCGAAGC  
301 CCTTCTGTT CTATAGTTCT TATAGTTCAAT ACGAAAATTA CACATAATTA  
351 TCAATAGCTT ATTCGCTTAA AAGGGAGTAA TTGGGCCGCA AAAGGGAGTA  
401 ATTGGGCCGC AAAAGGGAGT AATTGGGCCG CAAAAGGGAG TAATTGGGCC  
451 GATATCGGTT GTTTACATGG GGAGGAATCC CCTTAATCAT TTCTCCCCAT  
501 GGGAAAGACA ACACAAAGTGG CCGCAGACCG GGCCTTCGAC CAGACAAAAA  
551 CTGTGCTCCC TGCGAGGTG GCGAGAGGGG TCTATATGCG CAATCCGCC  
601 CGCCTGCAGG CGCTCAAGCT CATGCATTAA ATGATAGCCA CTGCGGGCGG  
651 CCGCATGGCT GATGATGTGC GCCATGAAAT GCGGCTGGCC GACATTGCG  
701 CAATCGACGG CATGAAAAAC CATGACCGTG AGAGCCTGAC CCCGCTGTT  
751 GAGGAGCTAG CCGCTGCGGT GTTGACCCAT GATGACCCCTG CAAAGATGAT  
801 CGTGACAGTC GGCAGCTTGG TCGATGAGGC GCGAATAGAC TACCGCCAGG  
851 AGGCAAGCGG CGAACTCCTA GTGACGTGGA CCTTCCGGAG TACATTCCGT  
901 CGTATGGCGG CGGAGTCGAA CCACGGGCC ATTCTCGACC GTCAAACGGT  
951 ATTCCATCTC GGTAGTAAGT ATTCCGTGCT GCTGTTCCAG CACGTCTCTA  
1001 GTCTGCCAA TCTTGATCGG ATGAGCGCGA AAACCTTTAC GGTCCCCGAG  
1051 TTGCGGGCGC TCCTTGGAGT GCCCGAGGGG AAGATGGTTC GTTGGAACGA  
1101 CGTTAACAGA TTTGCTCTCA AACCTGGACT GGATGAGATC AACCAATTAT  
1151 CGCGTCTGAC ATTGACGGCA AAGCCGACCA AGATTGGCCG TAGCGTGGCA  
1201 AGTGTGACTA TAGGCTGGGA AGTGAAGAC GACCCAACCG TCGCCAGGCG  
1251 CGAGCTGGCG GGTCCAAGG TCGGTGAGA TGCTCGTCGC AGAGGGCAG  
1301 CGGAAACGAT AGCCCCCTCC TTCCCGAGAG CGGGCGGGGAT CACCTACAGT  
1351 CCACGTTGGC TGGAGCTGAA ACGCTCTGCT GGCAGCAACA AGGACAACGA  
1401 TCTGATCGCC TCAGACTTCC GGCGTTCTG TCGGGAGAGA GGCCTGCGTC  
1451 TGGACGCTGCA AAACATCGAA AACTGTTTT TAGATTCTG CGCAAAGGTA  
1501 GGGAAAGGTTT GAGTTTGAG GTATTCACC GCAATAGTGT TAAATGACTT  
1551 TCGTGAACG ATGTGCAATA TAGCGGTAAAG ACTATGAAAT ACACGGCTGG  
1601 ACAGGCTGCA AAAGCAACGG GTGTGGCGAC CGCAACCATC ACTCGGGCGC  
1651 TAAAAAGCGG TAAAATTCC GGTAAAAAAG ATGAATCTGG GGCATGGGTT  
1701 ATAGATCCTG CAGAATTGCA CAGAGTGTGTT CCTCCCATT CAAAGAAATA  
1751 CACCGAAACA CCTAACACGC AAGTATATGG TAAGCGTGAT GAAACACATG  
1801 AAATGACCTC AGAAATCAGC GCATTAGAGC GTGAAGTTCG GACTTTACGC  
1851 GATGCTTTAT CTGATGCCAG GGAGGATCGC GACAAATGGC GCGACATGGC  
1901 CGAGCGTCTT TCAATTTCAT CACCGATGAG AGAGGAAGAC CGCCCCCTC  
1951 AAAAACAAAG ATGGTGGAAAG ATATTCTGAT CCTGGCTTC AGGAGCCTTG

**FIGURE 4A**

2001 CCTTTAAAAC CTGAATCAGC ATTCTAGCGA TGCTGATAAG AAGTAAATAT  
2051 AGCCACAATA GAGCGGCCAT TTTCCATTCA CATACTAGCTC ATCATGTGAT  
2101 CAATATCAAG TATTGATATT CATCAATGGA GAAGAATTAA CATGTATCAC  
2151 AGGATCATCA CAGCATTGT TTTGTATTT CTAAGTGCTA ACATAACTAT  
2201 CGCTGGCCCT AAAGAAGATT GTACTATTGC AGTATCTCAC CTTGGGTTTC  
2251 AGACCGATAA TTACAGCTTT GTCGAAGCCG GTTTTTTGC CAGAGAGAGA  
2301 CACGTTTTG ATGGTGTAAAT AAACTGCTAC GTATCTCATG ATGGTAACAT  
2351 ACACAGCATC ATCCGGGGCA ACACACCTCT TATGGAAGAT GGATATTATG  
2401 GCCCAGAAAGT ACTGGCGGAA AAACGCGATA TTGAGGCACA GGCCCGCACT  
2451 TTAGAGGCAGG AAGCCTATAA CGAGTACCAA AACACTAGAA GCCAGATTGA  
2501 GGAAAATAGG GAACTGTG

**FIGURE 4B**

Then all these things were done, and Jesus went up into Galilee, and there he began to teach in the synagogues.